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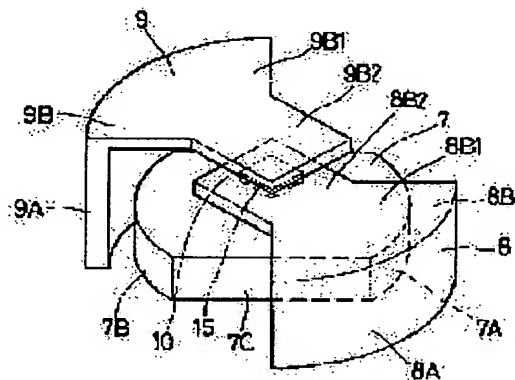
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## (54) ROTATION ANGLE DETECTOR

## (57)Abstract:

**PROBLEM TO BE SOLVED:** To permit highly accurate detection of rotation angle by reducing a magnetic flux leaked outside from first and second yokes.

**SOLUTION:** First and second yokes 8 and 9 are composed of magnetic pole piece parts 8A and 9A formed being curved in a circular arc and overhang parts 8B and 9B extended inward diametrically. The overhang parts 8B and 9B comprise sector surface parts 8B1 and 9B1 with the center of the rotation of a magnet as revet and extended parts 8B2 and 8B2 formed on the side of the revet of the sector surface parts 8B1 and 9B1. As a result, in the yokes 8 and 9, outer circumference ends alone are bent and the overhang parts 8B and 9B are made flat to reduce leakage of a magnetic flux passing through the yokes 8 and 9 from a part in the course thereof. A Hall element 15 outputs signals corresponding to faced areas between the magnet 7 and the yokes 8 and 9.



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